



OFFICE OF THE SECRETARY OF PUBLIC SAFETY & HOMELAND SECURITY



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Critical Infrastructure Program Vision



Strategy Early 2018

- Implement stakeholder group
- Develop Charter/Governance
- Membership to include local, state, federal, and private sector
- Determine mission and strategic plan

Plan Mid 2018-2019

- Develop implementation plan to support overall strategy
- Initiatives must be: *Actionable, Meaningful, Realistic, and Sustainable* over time

Implement Early 2019-2020

- Identify critical infrastructure throughout Commonwealth
- Prioritize critical infrastructure within Commonwealth
- Assessments of highest ranking infrastructure
- Focus planning and funding on highest criticality assets

COP Mid 2018-2021

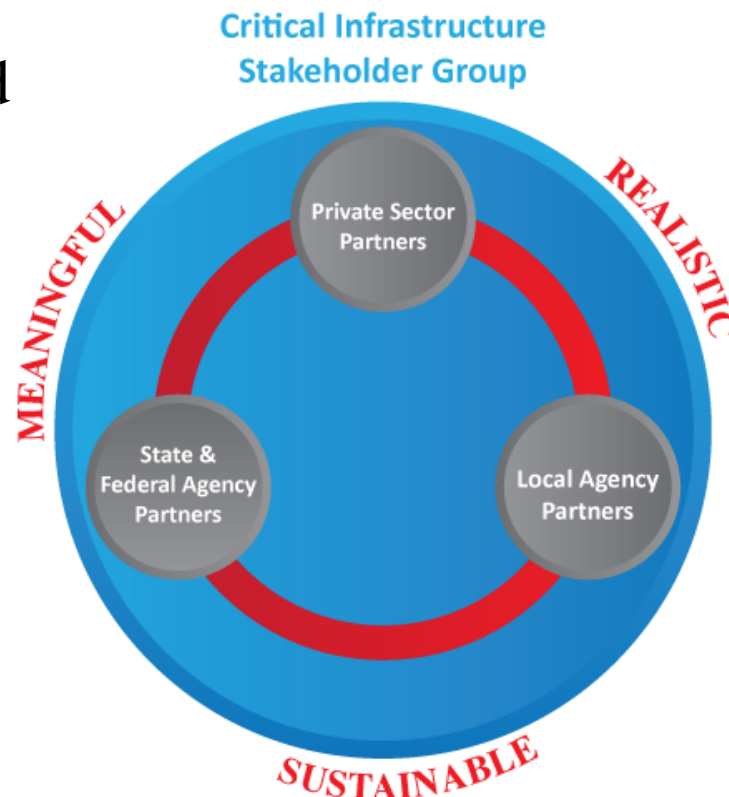
- Improve data sharing capabilities across agencies at all levels
- Provide situational awareness of CI for analysis, planning, response, and recovery
- Effective/efficient decision making during emergencies



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- State-Agency Focus Group Workshops
 - Two workshops in Fall 2017
 - 20 state agencies participated
 - VMASC developed report



Collaboration, Coordination, & Communication



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CIP Focus Group Recommendations



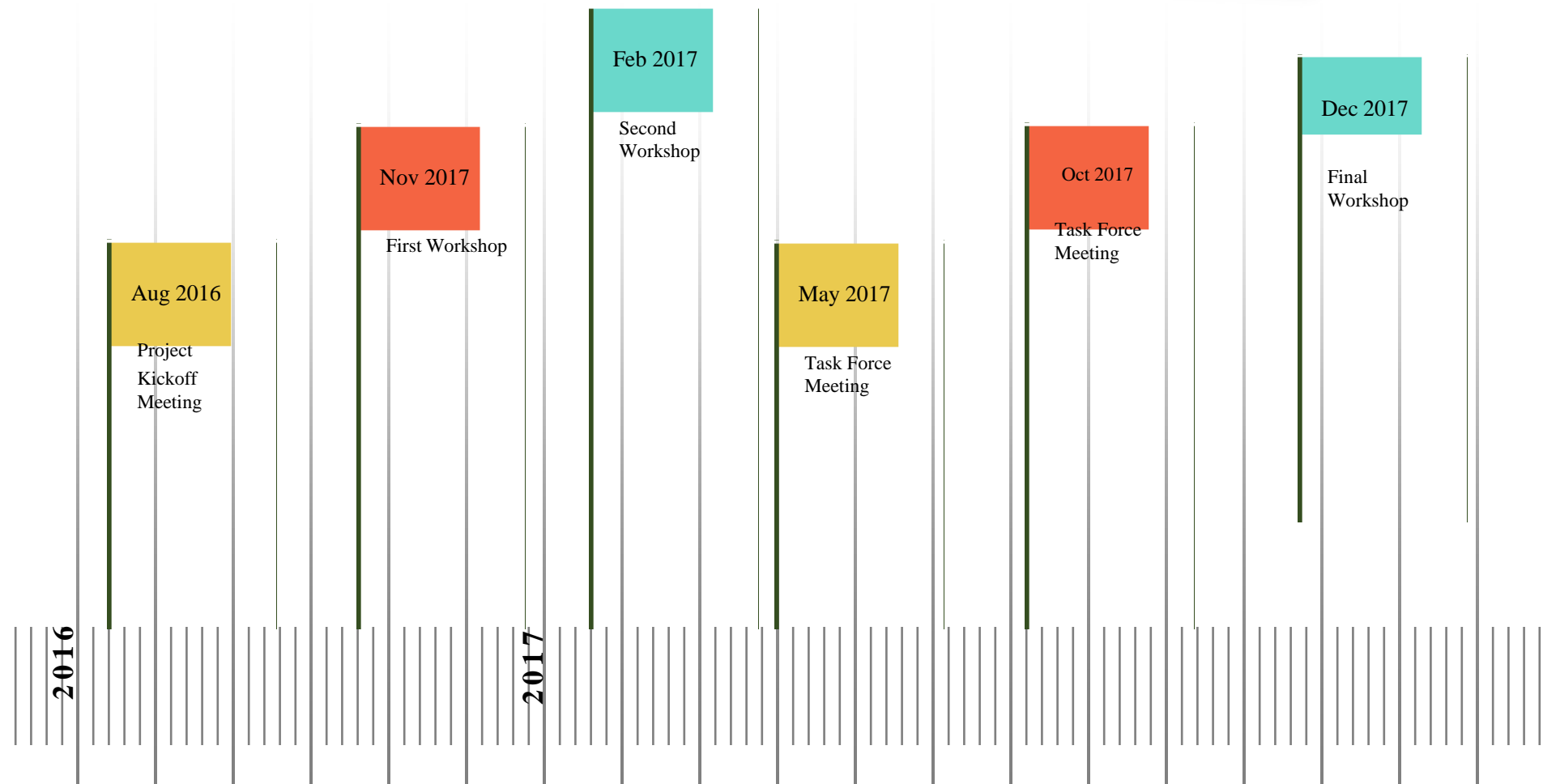
- **Need an authoritative group to govern critical infrastructure policy and strategic planning**
- Need to define critical infrastructure as it applies to the Commonwealth and its localities
- Need data sharing policies across state agencies
- Need to develop teams to conduct outreach with our critical infrastructure owners/operators in the public & private sectors
- Need to conduct risk assessments of our critical infrastructure using consistent standards across agencies
- Need to understand dependencies, interdependencies, and cascading impacts of our Commonwealth's critical infrastructure



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Final Report
Dec. 20
2017





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HRMA Next Steps



- **Coordinate with HR AHAC (EM Coordinators) to identify threats/hazards and vulnerabilities to complete risk assessment process**
- Work with Dominion Energy to add assets to priority restoration list
- Develop action plan to mitigate critical asset disruption using public/private partnerships for the highest criticality assets
- Expand the amount of stakeholder engagement – SMEs not already at the table
 - Pursue engagement with the communications sector
 - Pursue active participation of military organizations
 - Pursue better cooperation with energy sector
- Capture better information on water/wastewater interdependencies
- Capture risk data for the specialized skilled workforce
- Deeper dive on dependency/interdependency and supply chain



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NCR Prioritization Methodology



Impacts	CI Criteria Level 1 (National)	CI Criteria Level 2 (National)	CI Criteria Level 3 (State)	CI Criteria Level 4 (Regional)	CI Criteria Level 5 (Local)
Economic	\$ 150 Billion or \$75 Billion (+)	\$25 Billion (+)	\$10 Million (+)	\$5 Million (+)	\$1 Million (+)
Weaponization/Fatalities	5,000 (+)	2,500 - 4,999	30	20	10
Mass Evacuation	3 Months	1 Month	1 week	72 hours	72 hours
Percentage of Population Affected			.5% of the State	5% of the Region	10% of the City
Icon or System that affects Public Confidence			Public perceives high risk to the state or nation without remedy	Public perceives moderate risk and low ability to remedy	Public perceives low risk and moderate ability to remedy
Impact on Assets/Facilities/ Systems within Individual Sector	<i>See NCIPP Data Call Guidance</i>	<i>See NCIPP Data Call Guidance</i>	Debilitating impact on sector- having state, national or international impact	Debilitating impact on sector- having regional impact	Debilitating impact on sector- having local impact
Mission Impact on Other Critical Infrastructure Sector Assets/Facilities			Mission impact on infrastructure Assets or Facilities - Levels 1, 2, & 3	Mission impact on infrastructure facilities – Level 4	Mission impact on infrastructure facilities – Level 5
Environmental Impact			Significant impact on infrastructure Levels 1, 2, & 3		



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NCR Critical Infrastructure Prioritization



- CI System of Record for use in intelligence analysis and intel products
- Inform emergency planning efforts (EOP, HMP, THIRA, Recovery, Continuity)
- Identify vulnerabilities and provide justification for protection and resilience initiatives to mitigate risk (SHSP, UASI, PSGP)
- Provide a secure method for information sharing across VA, MD, DC, and NVRIC fusion centers (ESRI Portal)
- Provide information to aid decision making during emergency response and recovery operations (impacts, cascading effects)
- Inform future NCIPP nominations



OFFICE OF THE SECRETARY OF PUBLIC SAFETY & HOMELAND SECURITY VFC CIP Unit



- Strategic Plan for CIP Unit to identify priorities
- Implement GIS (ESRI Portal) to house CI Information to:
 - Conduct CI threat assessments
 - Develop analytical products to identify threat trends and patterns
- Conduct outreach with our critical infrastructure owners/operators to increase awareness of the VFC and its services
- SAR Training for critical infrastructure owners/operators

**SUSPICIOUS
ACTIVITY?**

**Call - 877-4VA-TIPS
(877-482-8477)**

Email: vfc@vsp.virginia.gov



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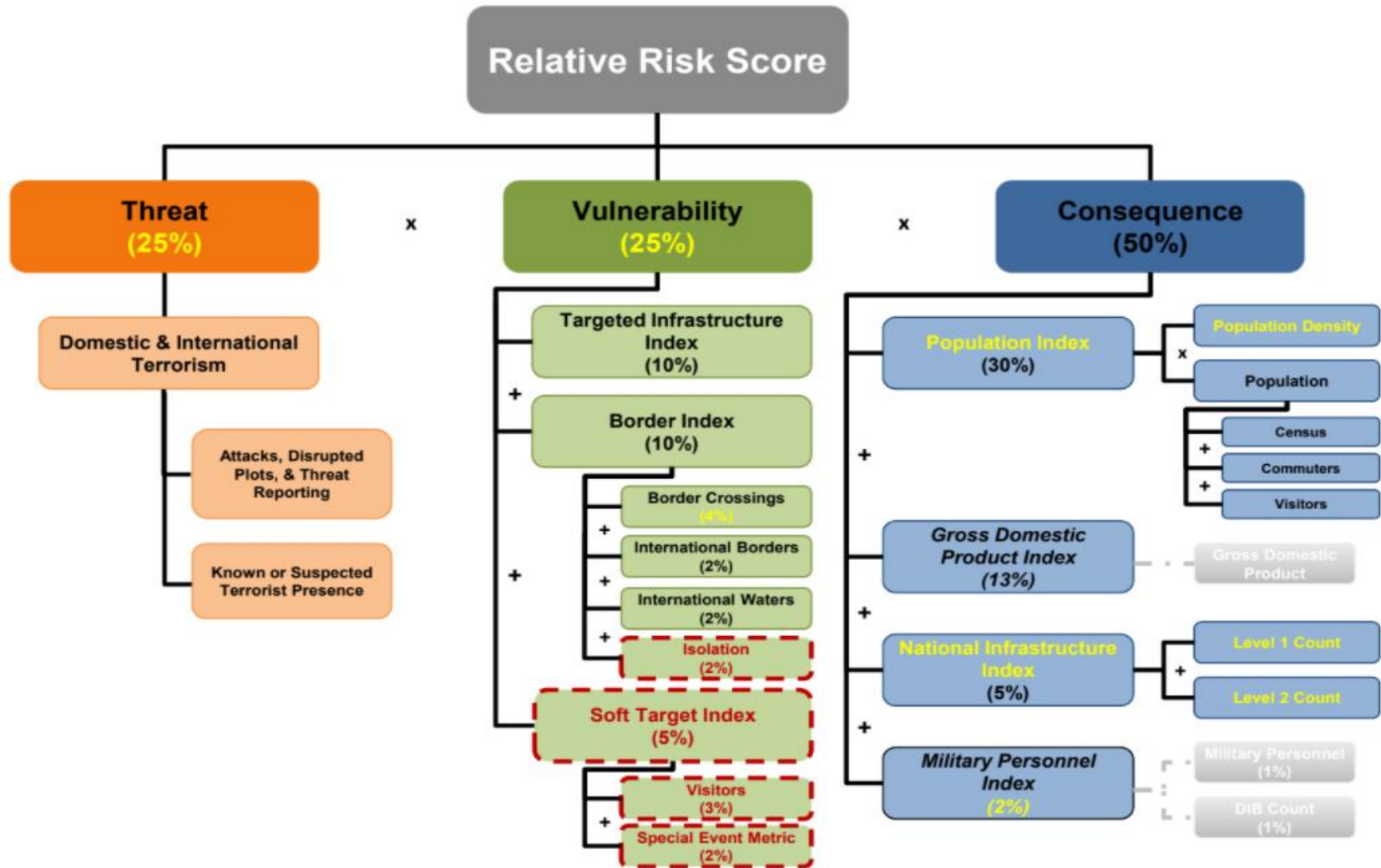
DHS & FEMA Annual Requests for Information

- **FEMA Risk Profile**
 - Informs grant funding allocation for SHSP and UASI grant programs
- **DHS NCIPP**
 - Nomination phase opened annually for Level 1 and Level 2 critical infrastructure based on 2 of 4 criteria
 - Reconsideration Phase open June 13-July 20
- **COV Special Events**
 - Significant events that may raise to level of federal importance or any events that state or localities wish to have assessed for rating



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2018 State and MSA Risk Profile





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DHS NCIPP – Annual Nominations



- National Critical Infrastructure Prioritization Program
- Nomination phase opened annually for Level 1 and Level 2 critical infrastructure based on 2 of 4 criteria:
 - Mass fatalities (2500; 5000)
 - Prolonged evacuation (1 month; 3 months)
 - Economic impact in the billions of dollars (\$25B; \$75B)
 - National security capability impact (ineligible)
- Scenario limited (not complex incident)
- Disruption consequences must be directly related to loss of asset, system, cluster
- Justification (supporting documentation)

Table 4-3 Commonly Used Scenarios

- **Industrial Accident**
- **Natural Disaster**
 - Avalanche/Landslide
 - Earthquake
 - Flood
 - Hurricane/Typhoon
 - Tornado
 - Tsunami
 - Wildfire
- **Terrorist Attack**
 - Aircraft as a Weapon
 - Cyber Attack
 - Improvised Explosive Device (IED)
 - Vehicle-borne IED (VBIED)



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SEAR Levels Defined



Level 1	<ul style="list-style-type: none">• Significant national and/or international importance• May require <u>extensive</u> federal interagency support	<ul style="list-style-type: none">• Super Bowl• United Nations General Assembly• Rose Parade/Rose Bowl
Level 2	<ul style="list-style-type: none">• Significant events with national and/or international importance• May require some national level federal support	<ul style="list-style-type: none">• Indianapolis 500• National Mall Independence Day Celebration• Boston Marathon
Level 3	<ul style="list-style-type: none">• Events of national and/or international importance• Requires only limited federal support	<ul style="list-style-type: none">• Hollydazzle• Virginia State Fair• Pungo Strawberry Festival
Level 4	<ul style="list-style-type: none">• Limited national importance• Handled at the state/local level	<ul style="list-style-type: none">• Virginia International Tattoo• Army Ten-Miler• Spring Gold Cup
Level 5	<ul style="list-style-type: none">• Events may be nationally recognized but generally have only state/local importance• Normally handled at the local level	<ul style="list-style-type: none">• Monticello July 4th Naturalization Ceremony• East Coast Surfing Championship



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Typical Timeline of DHS Requests

